

Title (en)  
ELECTRIC CIRCUIT OF A SWITCHABLE CURRENT SOURCE

Title (de)  
ELEKTRISCHE SCHALTUNG EINER SCHALTBAREN STROMQUELLE

Title (fr)  
CIRCUIT ÉLECTRIQUE D'UNE SOURCE DE COURANT COMMUTABLE

Publication  
**EP 3318949 B1 20201202 (EN)**

Application  
**EP 17208936 A 20120828**

Priority

- US 201261692564 P 20120823
- EP 12182037 A 20120828

Abstract (en)  
[origin: EP2701029A1] An electric circuit of a switchable current source (10) comprises an input path (IP) comprising a first resistor (R1) and a controllable current source (CS) to provide a changeable current (Itrim) and an output current path (OP) including a controllable output driver (MN), a second resistor (R2) and an output terminal (LDR\_PIN). A sensing voltage (VSENSE) is tapped at the output current path (OP) and is fed back to a regulator circuit (RC) by a feedback path (FP). The regulator circuit (RC) is connectable to the input path (IP) and the output path (OP) and provides an output signal (Vout2) to control the output current driver (MN). The switchable current source (10) enables to provide an output current (ILDR) at the output terminal (LDR\_PIN) in dependence on the first and second resistor (R1, R2) and the changeable current (Itrim).

IPC 8 full level  
**G05F 1/56** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)  
**G05F 1/561** (2013.01 - EP US); **H02M 3/156** (2013.01 - US); **H05B 45/3725** (2020.01 - EP US); **Y02B 20/30** (2013.01 - EP)

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